

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: RITA ARGUELLO

GENERAL INFORMATION:

Name:	Centria
Address:	1099 Hwy. 421 South, Frankfort, Kentucky
Date application received:	May 30, 2006
SIC/Source description:	3444 Booths, spray prefabricated sheet metal
Plant I.D.	21-073-00075
Application log number:	APE20060001
Permit number:	F-06-032

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052, 1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutants	Actual Emission	Potential Emission
	Tons / Yr.	
PM	<0.434	43.4
VOC	<90.0	175.9
Toluene	<9.0	36.5
Ethyl Acetate	<9.0	36.5
Total HAPS	<22.5	102.3

SOURCE PROCESS DESCRIPTION:

Centria, located at Frankfort, Kentucky, manufactures finished metal sliding panels, corner units and miscellaneous parts for building construction.

The source has:

- One spray booth with two DeVilbiss air spray guns.
- One air make up unit.
- Natural gas is used as a fuel.
- 5 MIG welding machines.
- Roll forming and grinding section.
- 8 pneumatic applicator micro seam corner adhesion process.

There are no VOC controls in the plant. The paint booth has exhaust filters to control particulate matter. The control efficiency of the filter is 90%.

The potential to emit calculations are based on 8760 hours of operation per year. The spray gun has an output of 5.94 gallons per hour. The coating is mixed with MEK in the ratio of 50/50.

EMISSION AND OPERATING CAPS DESCRIPTION:

The actual emissions of HAPs for a single pollutant shall not exceed 9.0 tons per year. The combined emissions for HAPs shall not exceed 22.5 tons per year. The actual VOC emissions shall not exceed 90.0 tons per year. These annual limitations shall not be exceeded during any consecutive twelve-month period for the entire source.

APPLICABLE REGULATIONS:

State regulation 401 KAR 59:010, New process operations, applies to this source, because these are process operations that were commenced after July 2, 1975.

State regulation 401 KAR 52:030. Federally-enforceable permits for non-major sources